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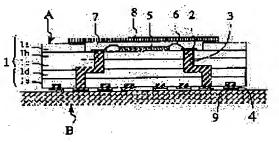
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(54) GLASS COMPOSITION, GLASS SINTERED COMPACT AND WIRING BOARD OBTAINED BY USING THE SINTERED COMPACT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a wiring board which can be burned at ≤1,000° C, and in which a wiring layer containing low resistance metal can simultaneously be formed by burning, and which has a thermal expansion coefficient suitable for the packaging of GaAs chips, and a low Young's modulus, and ensures the long term reliability of connecting pats can.

SOLUTION: In the wiring board provided with a wiring layer 2 containing low resistance metal provided on the surface and/or the inside of an insulation board 1, as the insulation board 1, a glass sintered compact is used which is obtained by molding glass powder containing, by weight, 10 to 40% SiO2, 1 to 30% Al2O3, 10 to 40% BaO, 1 to 20% Y2O3, 0 to 30% B2O3, 0 to 25% ZnO, 0 to 20% of at least one kind selected from the group consisting of MgO, CaO and SrO, and 0 to 10% of at least one kind selected from the group consisting of ZrO2, SnO2 and TiO2, and ≥90% the total content of the above components, and thereafter performing burning thereto at ≤1,000° C.



LEGAL STATUS

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